Release Notes

# hp StorageWorks Business Copy EVA/MA/EMA Host Agent v2.2 for Sun Solaris

**Product Version:** 2.2

Fourth Edition (October 2003)

**Part Number:** T3032–98105

The HP StorageWorks "Business Copy (BC) for enterprise virtual array (EVA), modular array (MA), and enterprise modular array (EMA)" is the new name for the "Enterprise Volume Manager (EVM)" software.

This document summarizes features and characteristics of the HP StorageWorks Business Copy Host Agent v2.2 for Sun Solaris release that are not covered elsewhere in the documentation set.

invent

© Copyright 1999–2003 Hewlett-Packard Development Company, L.P.

Hewlett-Packard Company makes no warranty of any kind with regard to this material, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Hewlett-Packard shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material.

This document contains proprietary information, which is protected by copyright. No part of this document may be photocopied, reproduced, or translated into another language without the prior written consent of Hewlett-Packard. The information contained in this document is subject to change without notice.

UNIX® is a registered trademark of The Open Group.

Hewlett-Packard Company shall not be liable for technical or editorial errors or omissions contained herein. The information is provided "as is" without warranty of any kind and is subject to change without notice. The warranties for Hewlett-Packard Company products are set forth in the express limited warranty statements for such products. Nothing herein should be construed as constituting an additional warranty.

Printed in the U.S.A.

Business Copy EVA/MA/EMA Host Agent v2.2 for Sun Solaris Release Notes
Fourth Edition (October 2003)
Part Number: T3032–98105

# About this Document

This section describes the content reflected in this document, including:


- Release Notes Information, page 3
- Intended Audience, page 3
- Business Copy Documentation, page 3
- Business Copy Product Updates, page 3


## Release Notes Information

These Release Notes cover the following BC topics:


- Hardware and Software Requirements, page 4
- Limitations and Known Issues, page 6


## Intended Audience

This document is intended for customers who purchased BC v2.2 or are now updating these environments to BC v2.2, and for HP authorized service providers responsible for installing, configuring, and maintaining systems that include BC software.

## Business Copy Documentation

BC documentation includes documents distributed through an initial purchase of BC v2.2 (contained in a BC documentation kit) and through a Web release of BC updates. Refer to the *HP StorageWorks Business Copy EVA/MA/EMA v2.2 Read Me First* (T3032-99101) or *HP StorageWorks Business Copy EVA/MA/EMA v2.2 Update Read Me First* (AA–RQ70G–TE) for a list of these documents and document part numbers.

Visit the BC product page website (http://h18000.www1.hp.com/products/storage/software/bizcopyeva/index.html for all available BC documentation (except the BC online Help & User Guide).

## Business Copy Product Updates

BC product updates, if available, are located at the BC software and drivers page website:
http://h18000.www1.hp.com/products/storage/software/bizcopyeva/index.html.

# Hardware and Software Requirements

The following sections identify hardware and software requirement changes for this BC host agent. Topics include:


- Operating System Version Support, page 4
- Secure Path Requirements, page 4
- HBA, Firmware, and Driver Requirements, page 5


## Operating System Version Support

The BC v2.2 Solaris Host Agent supports the following Sun Solaris versions:

- Sun Solaris 8 32-bit
- Sun Solaris 8 64-bit

---

**Note:** Visit the Business Copy website for information on Solaris 9 support. http://h18000.www1.hp.com/products/storage/software/bizcopyeva/index.html

---

## Secure Path Requirements

The BC v2.2 host agent requires the presence of Secure Path and is not supported in single-path or single HBA environments. The following Secure Path versions are supported:

- Secure Path v3.0B, SP1
- Secure Path v3.0C

## HBA, Firmware, and Driver Requirements

HBA, firmware, and driver requirements are listed in Table 1.

**Table 1: HBA, Firmware, and Driver Requirements**

| Vendor | FCA/HBA Name | Firmware | Driver |
|---|---|---|---|
| Jaycor (JNI) | FCI-1063 (PCI) | 3.0.3 | 2.5.9-03 |
| | FC64-1063 (S-Bus) | 13.3.7 | 1.5.9-03 |
| Compaq/Qlogic | FCA2257P (PCI) | 1.18.5 | 4.11 |
| | FCA2257C (cPCI) | 1.18.5 | 4.11 |
| | FCA2257S (S-Bus) | 1.18.3 | 4.11 |

# Limitations and Known Issues

This section is an extension of a similar section in the *HP StorageWorks Business Copy EVA/MA/EMA v2.2 Network Administration Guide* (T3032–96101) and can help avoid problems while using BC v2.2. Limitations and known issues include the following topics:


- UNIX OSs with Netscape Browsers and JRE 1.4.0x, page 6
- Failed LUNs on Sun Solaris 9, page 6
- /var/adm/messages file, page 7
- Mounting Multiple Raw Partitions per Disk, page 7
- Minimum JRE Needed for Browsing to the SANworks Management Appliance, page 7
- Postinstallation Best-Practices, page 7


## UNIX OSs with Netscape Browsers and JRE 1.4.0x

*Description:* Sporadically, UNIX® OSs with Netscape browsers and JRE versions 1.4.0x may experience a problem entering data in specific fields of the Job Create page. This intermittent problem is referenced as a known bug in the Sun Microsystems Bug Database (# 4767070).

*Error Indication:* Inability to insert text in the **Name**, **Owner**, and **Category** fields of the Job Create page.

*Resolution/ Workaround:* A fix is in JRE 1.4.1_02. A workaround for prior JRE versions involves using the mouse to change *focus* away from the current application to another window, and then returning to the current application.

In BC, for example, the user can click *focus* away from the applet area in BC by:

1. Clicking in the upper header area of the BC GUI, and then
2. Clicking back within the applet area to regain *focus* on the text fields.

## Failed LUNs on Sun Solaris 9

*Description:* When using Sun Solaris 9, if a LUN is in a failed state it is not possible to add (mount) another LUN whose LUN number is sequentially below the failed LUN.

*Error Indication:* Unable to add (mount) a LUN.

*Resolution/ Workaround:* Remove or repair the failed LUN.

## /var/adm/messages file

During startup on the Sun Solaris platform, the BC host agent needs to gather certain information about the storage and hardware configuration. Some of this information can only be obtained from the `/var/adm/messages` file. In order for BC operations to complete successfully, a valid messages file must be present at all times.

## Mounting Multiple Raw Partitions per Disk

Mounting more than one raw partition per disk should not be tried. A single mount will make all raw partitions available. Multiple raw mounts per disk will cause problems during job execution and undo.

## Minimum JRE Needed for Browsing to the SANworks Management Appliance

If browsing from a Sun Solaris 8 computer to an SMA running the SMA software v2.0, the minimum Java Runtime Environment (JRE) must be preinstalled. The recommended JRE (version 1.3.1_03) can be downloaded from Sun Microsystems (http://java.sun.com/products/archive/j2se/1.3.1_03/jre/index.html) or from the BC server (*`C:Programs Files\Compaq\Sanworks\Enterprise Volume Manager\html\jre\Downloads\ss_jre13103.exe`*).

## Postinstallation Best-Practices

All open browser windows must be closed and then the browser reopened before browsing to the SMA software, after any of the following installations.

- BC host agent v2.2
- Any browser or new browser version
- A JRE or a new JRE version

Due to a bug in Netscape, systems using Sun Solaris must be rebooted after a Netscape and/or a JRE installation in order for Netscape to register the JRE.

If problems between the browser and Java applets (such as the lack of a display in the lower portion of the BC screen) persist after closing and reopening the browser (or rebooting), the browser cache or Java plug-in cache may be responsible.

To clear the cache in Internet Explorer, use the following procedures:

1. Choose **Tools>Internet** Options.
2. From the **General** tab, under **Temporary Internet Files**, click **Delete Files**.
3. In the **Delete Files** window, click **OK**. (There is no need to check the **Delete all offline content** option.)

To clear the cache in Netscape, use the following procedures:

1. Choose **Edit>Preferences**.
2. In the navigation pane, choose **Advanced>Cache**.
3. Click both **Clear Memory Cache** and **Clear Disk Cache**.
4. Click **OK**.

To clear the cache in the Java plug-in, use the following procedures:

1. Open the Java plug-in console.
2. From the **Cache** tab, click **Clear JARCache**.
3. Close the Java plug-in console.